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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/598,825	09/12/2006	Peter P. Cuevas	QLTIP012	1845
22434	7590	08/09/2007	EXAMINER	
BEYER WEAVER LLP			NGUYEN, VINCENT Q	
P.O. BOX 70250			ART UNIT	
OAKLAND, CA 94612-0250			PAPER NUMBER	
			2858	
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			08/09/2007	
			PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/598,825	CUEVAS, PETER P.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Vincent Q. Nguyen	2858	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____                                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>9/01/2006</u> .   | 6) <input type="checkbox"/> Other: ____                           |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claim 1 is rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Goto et al. (2003/0082936 A1) in view of VanDeusen (5,144,098).

With respect to claim 1, Goto et al. discloses a device for use in connection a semiconductor device under test (DUT) having a plurality of leads to electronic test equipment, an interconnect assembly comprising a) a cable (114) including a plurality of wires with at least one wire (Connect to 102) for sensing a signal from a DUT, at least one wire (Connect to 104) for a forcing signal to the DUT, and at least one wire (Connect to 106) for a guarding signal driven by the same electrical potential as the forcing signal, b) a male connector (107) including the plurality of wires, an outer metal coating surrounding the plurality of wires (Conductive wires are metal), and an insulating coating around the outer metal coating (Typical to almost every cable because if it is not insulated, the conductors become short circuit), and c) a receptacle

connector for receiving the male connector and plurality of wires with corresponding contacts (Figure 2).

In the alternative with respect to the 35 U.S.C 103(a), Goto et al. does not explicitly disclose outer metal coating and an insulating coating.

VanDeusen discloses electrical cable and explicitly discloses metal coating (5) and insulating coating around metal coating (5) (Figure 1).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the metal coating and insulating as taught by VanDeusen into the system of Goto et al. because the metal coating and the insulating is the principle of the cable.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 2-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goto et al. (2003/0082936 A1) in view of Fang et al. (2005/0148218 A1).

With respect to claim 2, Goto et al. discloses every subject matter recited in the claim except for the receptacle connector includes a metal housing.

Fang et al. discloses electrical connector and further discloses the receptacle connector includes a metal housing (Figure 1) to eliminate the noise from connection (Fang et al. para. 05-08).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the receptacle connector including a metal housing as taught by Fang et al. into the system of Goto et al. because the receptacle connector including a metal housing is desirable to eliminate the noise from connection.

With respect to claim 3, Goto et al. discloses the cable and the male connector include a plurality of wires for a forcing signal (Figure 1A).

With respect to claims 4, 5, Goto et al. discloses the receptacle connector is mountable on a printed circuit board (Figure 2) of a test fixture with printed wiring of the printed circuit board connecting contacts of the receptacle connector to a socket of the test fixture.

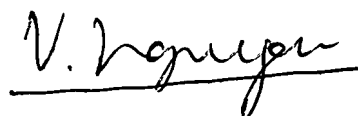
#### ***Contact Information***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent Q. Nguyen whose telephone number is (571) 272-2234. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2858

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'V. Nguyen', is written over a horizontal line.

August 5, 2007

Vincent Q. Nguyen  
Primary Examiner  
Art Unit 2858